

FRIEDMAN & BRUYA, INC.**ENVIRONMENTAL CHEMISTS**

Date of Report: December 31, 1990
Date Submitted: December 6, 1990
Project: Acid Concentration, P.O.# 17913

**RESULTS OF ANALYSES OF THE WATER SAMPLES
FOR SELECTED METALS BY ICP
Results Reported as mg/L (ppm)**

<u>Sample #</u>	<u>Chromium</u> (ppm)	<u>Copper</u> (ppm)	<u>Nickel</u> (ppm)
M17913A	11,000 ^{ab}	730 ^b	7,300 ^{ab}
M17913B	8,300 ^{ab}	2,000 ^b	6,800 ^{ab}
M17913C	620 ^{ab}	36	450 ^{ab}

Quality Assurance

Method Blank	1.5	<0.1	1.2
M17913B (Duplicate)	8,100	2,400	6,900
M17913B (Matrix Spike)			
Spiked @ 50 ppm			
Percent Recovery	^c	^c	^c

- ^a - The analyte indicated was also found in the blank sample.
^b - Value reported exceeded the calibration range established for the sample.
^c - The amount spiked was insufficient to give meaningful recovery data.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

AMENDED January 7, 1991

Date of Report: December 31, 1990

Date Submitted: December 6, 1990

Project: Acid Concentration, P.O.# 17913

RESULTS OF ANALYSES OF THE WATER SAMPLES FOR % ACID Results Reported as %

<u>Sample #</u>	<u>Total Acid</u> (%)
M17913A	11%
M17913B	6.8%
M17913C	14%

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**RESULTS OF ANALYSES OF THE WATER SAMPLES
FOR % ACID
Results Reported as %**

<u>Sample #</u>	<u>Total Acid</u> (%)
M17913A	23%
M17913B	14%
M17913C	13%

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**RESULTS OF ANALYSES OF THE WATER SAMPLES
FOR SPECIFIC GRAVITY
Results Reported as g/mL**

<u>Sample #</u>	<u>Specific Gravity</u> (g/mL)
M17913A	1.18
M17913B	1.24
M17913C	1.12
 <u>Quality Assurance</u>	
Distilled Water	1.04

- ☐ Dispose after 30 days
☒ Return Samples
☐ Call for Instructions

FRIEDMAN & BRYA, INC.
 3008-B 16th Avenue West
 Seattle, WA 98119

12-73B-A

Phone #: (206) 623-5801 (EXT: 500)
 Contact: GREG SPEED

Chain of Custody Record

PROJECT NAME: ACID CONCENTRATION
 PROJECT LOCATION:
 SITE NUMBER:

SAMPLED BY: GREGORY A. SPEED DATE: 12/6/90

Sample Number	Date / Time Sampled	Type of Sample	# of Containers	Lab Sample #	Analyses Required	Comments
m17013 A	12/6/90	ACID	1	16989	% ACID	HUNDRETH'S P.P.M.
3200 LG. TANK					SPEC. GRAVITY	
					CR, CU, NI	
m17913 B	12/6/90	ACID	1	16990	% ACID	HUNDRETH'S P.P.M.
3200 SM. TANK					SPEC. GRAVITY	
					CR, CU, NI	
m17913 C	12/6/90	ACID	1	16991	% ACID	HUNDRETH'S P.P.M.
3600 TANK					SPEC. GRAVITY	
					CR, CU, NI	
			①		% ACID	
			②		SPEC. GRAVITY	
					CR, CU, NI	

Relinquished by: (Signature)
 NAME: GREGORY A. SPEED

Date: 12/6/90

Received by: (Signature)
 NAME:

Date: 12/7/90

FIRM: ALASKAN COPPER

Time:

FIRM: FRIEDMAN & BRYA, INC.

Time:

Relinquished by: (Signature)
 NAME:

Date:

Received by: (Signature)
 NAME:

Date:

TIME:

Time:

FIRM:

Time: